

Distribution Integrity Managment Program (DIMP)

Operator of Gas Distribution System

Village of Rantoul

Operator ID: **30889**
Operator: **RANTOUL, VILLAGE OF**
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States(s) included in this Inspection:
Illinois

Agency Representatives:

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Persons Interviewed:

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Inspector Comments:

Q. No.:	Rule Name:	Question	Answer	Details	Comments
1	192.1005	Was the plan written and implemented per the requirement of 192.1005 by 08/02/2011? OR For a gas system put into service or acquired after 08/02/2011, was a plan written and implemented prior to beginning of operation?	Yes or Satisfactory	Effective Date 2011-08-02	
2	Information Only	Were commercially available product(s)/templates used in the development of the operator's written integrity management plan? Commercial product(s)/templates name if used:	Yes or Satisfactory Fully	 SHRIMP	
3	Information Only	Does the operator's plan assign responsibility, including titles and positions, of those accountable for developing and implementing required actions?	Yes or Satisfactory	Chief of Operations/Gas	

Q. No.:	Rule Name:	Question	Answer	Details	Comments
4	192.1007(a)(1)	Do the written procedures identify or reference the appropriate sources used to determine the following characteristics necessary to assess the threats and risks to the integrity of the pipeline:			
3		Design (e.g. type of construction, inserted pipe, rehabilitated pipe method, materials, sizes, dates of installation, mains and services, etc.)?	Yes or Satisfactory	Chapter 3 Knowledge of the Distribution System	Chapter
		Operating Conditions (e.g. pressure, gas quality, etc.)?	Yes or Satisfactory	Chapter 3 Knowledge of the Distribution System second paragraph. The use of Operations and Maintenance Records	
		Operating Environmental Factors (e.g. corrosive soil conditions, frost heave, land subsidence, landslides, washouts, snow damage, external heat sources, business districts, wall-to-wall paving, population density, difficult to evacuate facilities, valve placement, etc.)?	Yes or Satisfactory	Chapter 3 Knowledge of the Distribution System second paragraph. The use of Operations and Maintenance Records	
5	192.1007(a)(2)	Do the written procedures require the consideration of information gained from past design, operations, and maintenance (e.g. O&M activities, field surveys, One-Call system information, excavation damage,	Yes or Satisfactory	Chapter 3 Knowledge of the Distribution System second paragraph. The use of Operations and Maintenance Records	
6	Information Only	Do the written procedures indicate if the information was obtained from electronic records, paper records, or subject matter expert knowledge (select all which apply)?	Paper - SME	Chapter 3	
		Electronic, Paper, SME			
7	192.1007(a)(3)				

Q. No.:	Rule Name:	Question	Answer	Details	Comments
		Does the plan contain written procedures to identify additional information that is needed to fill gaps due to missing, inaccurate, or incomplete records?	No or Unsatisfactory	Chapter 3. Any additional information needed and the plan for gaining this currently unknown information over time through normal activities is described in Section 11.1, Implementation Plan.	Staff advised the operator to add the following, If information comes to the knowledge of the employees of the Village of Rantoul, the plan will be changed accordingly during or before the next review of the plan.
8	192.1007(a)(3)	Does the plan list the additional information needed to fill gaps due to missing, inaccurate, or incomplete records?	No or Unsatisfactory	Chapter 11 Attachments 11.1 Section C. a. No additional information needed. See Inspector comments below.	Staff advised the operator to add the following, If information comes to the knowledge of the employees of the Village of Rantoul, the plan will be changed accordingly during or before the next review of the plan.
9	192.1007(a)(3)	Do the written procedures specify the means to collect the additional information needed to fill gaps due to missing, inaccurate, or incomplete records (e.g., O&M activities, field surveys, One-Call System, etc.)?	No or Unsatisfactory	The operators plan does not specify what means will be used to collect additional information needed to fill gaps.	Advised the operator list the means of collecting the additional information needed to fill gaps.
10	192.1007(a)(5)	Do the written procedures require the capture and retention of data on any new pipeline installed?	Yes or Satisfactory	Chapter 11 A.	
11	192.1007(a)(5)	Does the data required for capture and retention include, at a minimum, the location where the new pipeline is installed and the material from which it is constructed?	Yes or Satisfactory	Chapter 11 A. The information is captured through Fusion form, welders forms, excavation and inspection reports and system maps.	
12	192.1007(a)				

Q. No.:	Rule Name:	Question	Answer	Details	Comments
		Does the documentation provided by the operator demonstrate implementation of the element “Knowledge of the System”?	Yes or Satisfactory	Chapter 3 Staff reviewed Rantoul documentation used to develop the DIMP plan.	
13	192.1007(a)	Has the operator demonstrated an understanding of its system?	Yes or Satisfactory	After discussion with the operator the operator has a working understanding of the system	
14	192.1007(b)	In identifying threats, do the written procedures include consideration of the following categories of threats to each gas distribution pipeline?			
		Corrosion	Yes or Satisfactory	Chapter 4, 4.2.1 Corrosion	
		Natural Forces	Yes or Satisfactory	Chapter 4, 4.2.6 Natural Forces	
		Excavation Damage	Yes or Satisfactory	Chapter 4, 4.2.3	
		Other Outside Force Damage	Yes or Satisfactory	Chapter 4, 4.2.7	
		Material or Welds	Yes or Satisfactory	Chapter 4, 4.2.5	
		Equipment Failure	Yes or Satisfactory	Chapter 4, 4.2.2	
		Incorrect Operation	Yes or Satisfactory	Chapter 4, 4.2.4	
		Other Concerns	Yes or Satisfactory	Chapter 4, 4.2.8	
15	192.1007(b)	Did the operator consider the information that was reasonably available to identify existing and potential threats?	Yes or Satisfactory	The operator used at least the last five years of operation and maintenance records.	
16	Information Only	Does the plan subdivide the primary threats into subcategories to identify existing and potential threats?	Yes or Satisfactory	there were only three threats that were not subdivided. Natural Forces, Other outside forces, and other threats.	
17	192.1007(b)	Incident and leak history	Yes or Satisfactory	Chapter 4, 4.1 Appendix A	

Q. No.:	Rule Name:	Question	Answer	Details	Comments
		Corrosion control records	Yes or Satisfactory	Chapter 4, 4.1 Appendix A	
		Continuing surveillance records	Yes or Satisfactory	Chapter 4, 4.1 Appendix A	
		Patrolling records	Yes or Satisfactory	Chapter 4, 4.1 Appendix A	
		Maintenance history	Yes or Satisfactory	Chapter 4, 4.1 Appendix A	
		Excavation damage experience	Yes or Satisfactory	Chapter 4, 4.1 Appendix A	
		Other – Describe	Yes or Satisfactory	The operators plan did not have any indications of other safety problem and did not consider this	
		In identifying threats did the information considered include any of the following?	Yes or Satisfactory	Chapter 4 4.1 Overview	
18	Information Only	Does the plan categorize primary threats as either “system-wide” or “localized”?	All System-wide		
19	Information Only	Do the written procedures consider, in addition to the operator’s own information, data from external sources (e.g. trade associations, government agencies, or other system operators, etc.) to assist in identifying potential threats?	Yes or Satisfactory	The operator indicated that it used its own data and the following external sources were used PHMSA advisory bulletins, PHMSA Annual and Incident Reports.	
20	192.1007(b)	Does the documentation provided by the operator demonstrate implementation of the element “Identify Threats”?	Yes or Satisfactory		
21	Information Only	Was the risk evaluation developed fully or in part using a commercially available tool?	Fully	Section 11.3.2 Relative Risk Model	
22	192.1007(c)	Commercial tool name if used:			

Q. No.:	Rule Name:	Question	Answer	Details	Comments
		Do the written procedures contain the method used to determine the relative importance of each threat and estimate and rank the risks posed? Briefly describe the method.	Yes or Satisfactory	Section 11.3.2 The SHRIMP relative risk model considers both the probability and consequences of a failure for each of the eight threats. See table 11.32 of the operators DIMP Plan. Chapter 5 Relative risk score is a numeric score from 0-30 based on four factors - Probability, Consequence, leak Cause factor and incident probability factor.	
23	192.1007(c)	Do the written procedures to evaluate and rank risk consider: Each applicable current and potential threat? Corrosion	Yes or Satisfactory	The information entered into the SHRIMP Data Base considered these factors and corrosion was found to be a potential threat and ranked.	The operator did the threat assessment on all the eight threats and did not risk rank all threats. The operator needs to re-access the threats and rank all threat and potential threats accordingly.
		Natural Forces	Yes or Satisfactory	The operator considered Natural forces and determined not to be a threat warranting further consideration. Operators comments Leaks, failures, or damages are not averaging one or more per year. See Inspector comments.	

Q. No.:	Rule Name:	Question	Answer	Details	Comments
		Excavation Damage	Yes or Satisfactory	The information entered into the SHRIMP Data Base considered these factors and Excavation Damage was found to be a potential threat and not ranked.	
		Other Outside Force Damage	Yes or Satisfactory	The information entered into the SHRIMP Data Base considered these factors and Other Outside Force Damage was found not to be a potential threat and was not ranked.	
		Material or Welds	Yes or Satisfactory	The information entered into the SHRIMP Data base considered these factors and Material or Welds was found to be a potential threat and ranked.	
		Equipment Failure	Yes or Satisfactory	The information entered into the SHRIMP Data base considered these factors and Equipment Failure was found to be a potential threat and ranked.	
		Incorrect Operation	Yes or Satisfactory	This information entered into the SHRIMP data considered these factors and Incorrect Operations was found not to be a potential threat and not ranked.	

Q. No.:	Rule Name:	Question	Answer	Details	Comments
		Other Concerns	Yes or Satisfactory	This information entered into the SHRIMP data base considered these factors and other concerns was not found to be a potential threat and not ranked and not ranked.	
24	192.1007(c)	Do the written procedures to evaluate and rank risk consider: The likelihood of failure associated with each threat?			
		Corrosion	Yes or Satisfactory	Inspections have found problems with above ground pipe coatings that could not be fixed by routine maintenance.	The operator did the threat assessment on all the eight threats and did not risk rank all threats. The operator needs to re-access the threats and rank all threat and potential threats. After completing the re-assessment the operator then needs consider the likelihood of failure associated with each threat accordingly.
		Natural Forces	Yes or Satisfactory	The information entered into the SHRIMP Data Base considered these factors and Natural Forces was found not to be a potential threat and not ranked "see inspector comments	

Q. No.:	Rule Name:	Question	Answer	Details	Comments
		Excavation Damage	Yes or Satisfactory	<p>The information entered into the SHRIMP Data Base</p> <p>considered these factors and Excavation Damage</p> <p>was found not to be a potential threat and not ranked. The operator need re-evaluate excavation damage an make it a threat and rank it. "see</p>	
		Other Outside Force Damage	Yes or Satisfactory	<p>The information entered into the SHRIMP Data Base</p> <p>considered these factors and Other Outside Force Damage was not found to be a potential threat and not ranked. "see inspector comments</p>	
		Material or Welds	Yes or Satisfactory	<p>The information entered into the SHRIMP Data Base</p> <p>considered these factors and Material and Welds was found to be a potential threat and</p>	
		Equipment Failure	Yes or Satisfactory	<p>The information entered into the SHRIMP Data Base</p> <p>considered these factors and Equipment Failure was found to be a potential threat and</p>	

Q. No.:	Rule Name:	Question	Answer	Details	Comments
		Incorrect Operation	Yes or Satisfactory	The information entered into the SHRIMP Data Base	
				considered these factors and Incorrect Operations was found not to be a potential threat and not ranked. "see inspector comments	
		Other Concerns	Yes or Satisfactory	The information entered into the SHRIMP Data Base	
				considered these factors and Other Concerns was not found to be a potential threat and	
25	192.1007(c)	Do the written procedures to evaluate and rank risk consider:			
		The potential consequence of such a failure?			
		Corrosion	Yes or Satisfactory	11.3.1 Process Description	
		Natural Forces	Yes or Satisfactory	11.3.1 Process Description	
		Excavation Damage	Yes or Satisfactory	11.3.1 Process Description	
		Other Outside Force Damage	Yes or Satisfactory	11.3.1 Process Description	
		Material or Welds	Yes or Satisfactory	11.3.1 Process Description	
		Equipment Failure	Yes or Satisfactory	11.3.1 Process Description	
		Incorrect Operation	Yes or Satisfactory	11.3.1 Process Description	
		Other Concerns	Yes or Satisfactory	11.3.1 Process Description	
26	192.1007(c)				

Q. No.:	Rule Name:	Question	Answer	Details	Comments
		If subdivision of system occurs, does the plan subdivide the system into regions with similar characteristics and for which similar actions are likely to be effective in reducing risk? Briefly describe the approach.	Yes or Satisfactory	The operator did subdividing of Equipment Malfunctions and Material, Weld or joint failure.	
27	Information Only	Is the method used to evaluate and rank risks reasonable?	Yes or Satisfactory	The operator used the relative Risk Model in section 11.3.2	
28	192.1007(c)	Are the results of the risk ranking supported by the risk evaluation model/method?	Yes or Satisfactory	Relative Risk Model	
29	192.1007(c)	Did the operator validate the results generated by the risk evaluation model/method? Briefly describe.	Yes or Satisfactory	SME reviews "Chief of Operations/Gas"	
30	192.1007(c)	Does the documentation provided by the operator demonstrate implementation of the element "Evaluate and Rank Risk"?	Yes or Satisfactory		
31	192.1007 (d)	Does the plan include procedures to identify when measures, beyond minimum code requirements specified outside of Part 192 Subpart P, are required to reduce risk?	Yes or Satisfactory	The operator is using the minimum code requirements.	
32	192.1007 (d)	When measures, beyond minimum code requirements specified outside of Part 192 Subpart P, are required to reduce risk, does the plan identify the measures selected, how they will be implemented, and the risks they are addressing?	Yes or Satisfactory	Section 6.2 the plan identifies the measures and what will be done to mitigate the threats	
34	192.1007 (d)	Locate the leaks in the distribution system;	Yes or Satisfactory	The operator uses O&M Manual Appendix B Leak Investigation	

Q. No.:	Rule Name:	Question	Answer	Details	Comments
		Evaluate the actual or potential hazards associated with these leaks;	Yes or Satisfactory	The operator uses O&M Manual Appendix B Leak Investigation	
		Act appropriately to mitigate these hazards;	Yes or Satisfactory	The operator uses O&M Manual Appendix B Leak Investigation	
		Keep records;	Yes or Satisfactory	Chapter 10 DIMP Plan	
		Self-assess to determine if additional actions are necessary to keep people and property safe.	Yes or Satisfactory	The operator used Leak Classification and Action Criteria The operator uses O&M Manual Appendix B Leak Investigation	
		Does the plan include an effective leak management program (unless all leaks are repaired when found)	Yes or Satisfactory	Chapter 6. Additional/Accelerated Measures to Address Risks. The operator uses GPTC Leak Classification and Action Criteria	
35	192.1007 (d)	Does the documentation provided by the operator demonstrate implementation of the measures, required by Part 192 Subpart P, to reduce risk?	Yes or Satisfactory		
36	192.1007 (e)	Does the plan contain written procedures for how the operator established a baseline for each performance measure?			
		i) Number of hazardous leaks either eliminated or repaired, categorized by cause?	Yes or Satisfactory	This is captured on Gas Leak and Repair Reports And recorded on the Annual Report	The operator needs to develop a plan for collecting data going forward to establish a baseline for each of the performance measures.
		ii) Number of excavation damages?	Yes or Satisfactory	This is captured on the Excavation And Inspection Report and the Gas Leak and Repair Report	

Q. No.:	Rule Name:	Question	Answer	Details	Comments
		iii) Number of excavation tickets received by gas department?	Yes or Satisfactory	Tickets are kept on file for each year called and the number of tickets is recorded on the Annual Report.	
		iv) Total number of leaks either eliminated or repaired categorized by cause?	Yes or Satisfactory	This information is captured on the Gas Leak and Repair and recorded on the Annual Report.	
		v) Number of hazardous leaks either eliminated or repaired, categorized by material?	Yes or Satisfactory	This information is captured on the gas Leak and Repair Report or Excavation and Inspection Report	
		vi) Any additional measures the operator determines are needed to evaluate the effectiveness of the IM program in controlling each identified threat?	Not Applicable		
37	192.1007 (e)	Does the plan establish a baseline for each performance measure?			
		i) Number of hazardous leaks either eliminated or repaired, categorized by cause?	No or Unsatisfactory		The operator did not develop or establish a base line for each of the performance measures in the DIMP Plan.
		ii) Number of excavation damages?	No or		
		iii) Number of excavation tickets received by gas department?	No or		
		iv) Total number of leaks either eliminated or repaired categorized by cause?	No or		
		v) Number of hazardous leaks either eliminated or repaired, categorized by material?	No or		
		vi) Any additional measures the operator determines are needed to evaluate the effectiveness of the IM program in controlling each identified threat?	No or		
38	192.1007 (e)	Does the operator have written procedures to collect the data for each performance measure?			

Q. No.:	Rule Name:	Question	Answer	Details	Comments
		i) Number of hazardous leaks either eliminated or repaired, categorized by cause?	Yes or Satisfactory	Chapter 11 This is captured on Gas Leak and Repair Reports And recorded on the Annual Report	
		ii) Number of excavation damages?	Yes or Satisfactory	Chapter 11 This is captured on the Excavation And Inspection Report and the Gas Leak and Repair Report	
		iii) Number of excavation tickets received by gas department?	Yes or Satisfactory	Chapter 11 Tickets are kept on file for each year called and the number of tickets is recorded on the Annual Report.	
		iv) Total number of leaks either eliminated or repaired categorized by cause?	Yes or Satisfactory	Chapter 11 This information is captured on the Gas Leak and Repair and recorded on the Annual Report.	
		v) Number of hazardous leaks either eliminated or repaired, categorized by material?	Yes or Satisfactory	Chapter 11 This information is captured on the gas Leak and Repair Report or Excavation and Inspection Report	
		vi) Any additional measures the operator determines are needed to evaluate the effectiveness of the IM program in controlling each identified threat?	Not Applicable	The operator did not have any additional measures	
39	192.1007 (e)	Do the written procedures require the operator to monitor each performance measure?			

Q. No.:	Rule Name:	Question	Answer	Details	Comments
		i) Number of hazardous leaks either eliminated or repaired, categorized by cause?	Yes or Satisfactory	Chapter 8. Periodic Evaluation and Improvement The plan to be re-evaluated no less than every 3 years. Trends in each of the performance measures listed in Chapter 7 will be reviewed during the re-evaluation period.	
		ii) Number of excavation damages?	Yes or Satisfactory	Chapter 8. Periodic Evaluation and Improvement The plan to be re-evaluated no less than every 3 years. Trends in each of the performance measures listed in Chapter 7 will be reviewed during the re-evaluation period.	
		iii) Number of excavation tickets received by gas department?	Yes or Satisfactory	Chapter 8. Periodic Evaluation and Improvement The plan to be re-evaluated no less than every 3 years. Trends in each of the performance measures listed in Chapter 7 will be reviewed during the re-evaluation period.	
		iv) Total number of leaks either eliminated or repaired categorized by cause?	Yes or Satisfactory	Chapter 8. Periodic Evaluation and Improvement The plan to be re-evaluated no less than every 3 years. Trends in each of the performance measures listed in Chapter 7 will be reviewed during the re-evaluation period.	

Q. No.:	Rule Name:	Question	Answer	Details	Comments
		v) Number of hazardous leaks either eliminated or repaired, categorized by material?	Yes or Satisfactory	Chapter 8. Periodic Evaluation and Improvement The plan to be re-evaluated no less than every 3 years. Trends in each of the performance measures listed in Chapter 7 will be reviewed during the re-evaluation period.	
		vi) Any additional measures the operator determines are needed to evaluate the effectiveness of the IM program in controlling each identified threat?	Yes or Satisfactory	Chapter 8. Periodic Evaluation and Improvement The plan to be re-evaluated no less than every 3 years. Trends in each of the performance measures listed in Chapter 7 will be reviewed during the re-evaluation period.	
40	192.1007 (e)	When measures are required to reduce risk, do the written procedures provide how their effectiveness will be measured?	Yes or Satisfactory	Chapter 8 Periodic evaluation and Improvement. Effectiveness will be reviewed during the re-evaluation, if any performance measure indicates that any of the additional action is not effective in reducing the risk it is intended to address the city will consider implementing additional actions to address that risk	
41	Information Only	Can the performance measures identified by the operator in the plan be counted, monitored, and supported?	Yes or Satisfactory	Chapter 7.2 , 7.3 and Chapter 8	
42	192.1007 (e)				

Q. No.:	Rule Name:	Question	Answer	Details	Comments
		Does the documentation provided by the operator demonstrate implementation of the element “Measure Performance, Monitor Results, and Evaluate Effectiveness”?	Yes or Satisfactory	The plan is do for re-evaluation this year. This should be reviewed after completed by the operator.	
43	192.1007 (f)	Do the written procedures for periodic review include:			
3 & Chapter 8		a.	Frequency of review based on	Yes or Satisfactory	Chapter
		the complexity of the system and changes in factors affecting the risk of failure, not to exceed 5 years?		8	
		b. Verification of general information (e.g. contact information, form names, action schedules, etc.)?	Yes or Satisfactory	Chapter 8	
		c. Incorporate new system information?	Yes or Satisfactory	Chapter 8	
		d. Re-evaluation of threats and risk?	Yes or Satisfactory	Chapter 8	
		e. Review the frequency of the measures to reduce risk?	Yes or Satisfactory	Chapter 8	
		f. Review the effectiveness of the measures to reduce risk?	Yes or Satisfactory	Chapter 8	
		g.	Modify the measures to reduce	Yes or Satisfactory	Chapter
8		risk and refine/improve as needed (i.e. add new, modify existing, or eliminate if no longer needed)?			
8		h.	Review performance measures,	Yes or Satisfactory	Chapter
		their effectiveness, and if they are not appropriate, refine/improve them?			
44	Information Only	Does the plan contain a process for informing the appropriate operating personnel of an update to the plan?	No or Unsatisfactory	Not addressed in the DIMP Plan.	The plan does not contain a process for informing the appropriate operating personnel of an update to the plan.
45	Information Only	Does the plan contain a process for informing the appropriate regulatory agency of a significant update to the plan?	No or Unsatisfactory	The plan at this time does not contain a process for informing the appropriate agency of a significant update or change to the plan.	The plan does not contain a process for informing the appropriate regulatory agency of a significant update to the plan.
46	192.1007 (f)				

Q. No.:	Rule Name:	Question	Answer	Details	Comments
		Does the documentation provided by the operator demonstrate implementation of the element "Periodic Evaluation and Improvement"?	Yes or Satisfactory	Staff reviewed documents	
47	192.1007 (g)	Does the plan contain or reference procedures for reporting, on an annual basis, the four measures listed in 192.1007(e)(1)(i) through (e)(1)(iv) to PHMSA as part of the annual report required by § 191.11 and the State regulatory authority?	Yes or Satisfactory	Chapter 9	
48	Information Only	When required by the State, does the plan identify the specific report form, date, and location where it is to be submitted?	Yes or Satisfactory	Distribution Annual Report Form F7100.1-1	
49	192.1007 (g)	Has the operator submitted the required reports?	Yes or Satisfactory		
50	192.1009	Does the operator have written procedures to collect the information necessary to comply with the reporting requirements of 192.1009?	Yes or Satisfactory	Chapter 9	
51	192.1011	Does the operator have written procedures specifying which records demonstrating compliance with Subpart P will be maintained for at least 10 years?	Yes or Satisfactory	Chapter 10	
52	192.1011	Does the operator have written procedures specifying that copies of superseded integrity management plans will be maintained for at least 10 years?	Yes or Satisfactory	Chapter 10	
53	192.1011	Has the operator maintained the required records?	Yes or Satisfactory	Chapter 10	
54-1	192.1007 (d)	1. For the top five highest ranked risks from the operator's risk ranking list the following:			

Q. No.:	Rule Name:	Question	Answer	Details	Comments
		Primary threat category (corrosion, natural forces, excavation damage, other outside force damage, material or weld, equipment failure, incorrect operation, and other concerns);	Corrosion	Rank 5	
		Threat subcategory (GPTC threat subcategories are acceptable. Try to be specific. Example, failing bonnet bolts of gate valve, manufacturer name, model #);	Atmospheric		
		Measure to reduce the risk (list the one measure the operator feels is most important to reducing the risk);			At the time of this inspection the operator did not chose any measure to reduce risk. Original atmospheric corrosion on the rise was to replace the riser.
		Associated performance measure.			
54-2	192.1007 (d)	2. For the top five highest ranked risks from the operator's risk ranking list the following:			
		Primary threat category (corrosion, natural forces, excavation damage, other outside force damage, material or weld, equipment failure, incorrect operation, and other concerns);	Equipment failure	Rank 2	
		Threat subcategory (GPTC threat subcategories are acceptable. Try to be specific. Example, failing bonnet bolts of gate valve, manufacturer name, model #);	Regulators	Equimeter, RX250 & 250	
		Measure to reduce the risk (list the one measure the operator feels is most important to reducing the risk);			Repair problem equipment and / or change setting
		Associated performance measure.			Track the frequency of these failures
54-3	192.1007 (d)	3. For the top five highest ranked risks from the operator's risk ranking list the following:			
		Primary threat category (corrosion, natural forces, excavation damage, other outside force damage, material or weld, equipment failure, incorrect operation, and other concerns);	Equipment failure	Rank 3	

Q. No.:	Rule Name:	Question	Answer	Details	Comments
54-4	192.1007 (d)	Threat subcategory (GPTC threat subcategories are acceptable. Try to be specific. Example, failing bonnet bolts of gate valve, manufacturer name, model #);	Meters (Tin case/casings/seals)	Meters	
		Measure to reduce the risk (list the one measure the operator feels is most important to reducing the risk);		Repair or replace problem materials	
		Associated performance measure.		Track the frequency of these failures	
		4. For the top five highest ranked risks from the operator's risk ranking list the following:			
54-5	192.1007 (d)	Primary threat category (corrosion, natural forces, excavation damage, other outside force damage, material or weld, equipment failure, incorrect operation, and other concerns);	Equipment failure	Rank 4	
		Threat subcategory (GPTC threat subcategories are acceptable. Try to be specific. Example, failing bonnet bolts of gate valve, manufacturer name, model #);	Meters (Tin case/casings/seals)	Commercial Regulator Schlumberger, B34SR, 2"	
		Measure to reduce the risk (list the one measure the operator feels is most important to reducing the risk);		Repair or replace problem material	
		Associated performance measure.		Track the frequency of these failures	
54-5	192.1007 (d)	5. For the top five highest ranked risks from the operator's risk ranking list the following:			
		Primary threat category (corrosion, natural forces, excavation damage, other outside force damage, material or weld, equipment failure, incorrect operation, and other concerns);	Material or weld or joint failure	Rank 5	
		Threat subcategory (GPTC threat subcategories are acceptable. Try to be specific. Example, failing bonnet bolts of gate valve, manufacturer name, model #);	Other	Pipe 4", 80, Coated and Wrapped 1950's, 1950	
		Measure to reduce the risk (list the one measure the operator feels is most important to reducing the risk);		monitor or trend material failures, repair or replace problem materials	
		Associated performance measure.		Track the frequency of these failures	